

- Sub
C
EWP
B⁴
- (c) inducing a sol-gel condensation reaction to form a sol-gel condensation reaction mixture;
 - (d) spreading the sol-gel condensation reaction mixture on a substrate;
 - (e) drying the sol-gel condensation reaction mixture;
 - (f) repeating steps (d) and (e) to produce a film; and
 - (g) heating the film.
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28. (Amended) A method of preparing a multilayer phosphor product on a substrate comprising the steps of:

- B⁵
Sub
C
- (a) providing a solution comprising an alkoxide precursor and a dopant precursor;
 - (b) mixing said solution with a solid particle precursor, wherein said solid particle precursor have an average particle size of from about 2 to about 10,000 nm;
 - (c) inducing a sol-gel condensation reaction to form a sol-gel condensation reaction mixture;
 - (d) spreading the sol-gel condensation reaction mixture on a substrate;
 - (e) drying the sol-gel condensation reaction mixture;
 - (f) repeating steps (d) and (e) to produce a film; and
 - (g) heating the film.
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